BOXOUT IN PCC PAVEMENT AND PCC BASE WITH HMA OVERLAY

Transverse joint spacing on new concrete pavement is controlled by the intake boxout. Adjust adjacent joint spacing as required to accommodate boxouts.

For retrofit intakes, match existing concrete pavement joints. Stop any transverse pavement joints that do not conform to the minimum spacing requirements at the edge of the boxout.

1. Center bars vertically within slab.

Back of Curb

Dowel Bar (typ.)

'ED' Joint

'B' Joint

#4 Bars

Boxout Length 15'-0" Typical

Flow

Intake Grate (typ.)

#4 Bars @ 12" o.c.

3"

2" Clear (typ.)

SW-514

REVISION 04-17-18

SHEET 1 of 3

REVISIONS:

SUDAS logo.

Added dimension to back of grate. Updated line work and Iowa DOT and SUDAS logo.

FIGURE 6010.514

SUDAS DIRECTOR DESIGN METHODS ENGINEER

#4 Bars @ 12" o.c.

12"

3"

2" Clear (typ.)

PCC Pavement or PCC Base with HMA Overlay

#4 Bars

Form Grade

Normal Crown of Street

36"

12"

3"

1/2"

3"

1/2"

Back of Curb

SECTION A-A
BOXOUT IN PCC CURB AND GUTTER

1 Center bars vertically within slab.

BOXOUT FOR GRATE INTAKES
ALTERNATE BOXOUT IN PCC CURB AND GUTTER

Transverse joint spacing on new concrete pavement is controlled by the intake boxout. Adjacent joint spacing may need to be field adjusted to fit boxouts.

For retrofit intakes, match existing concrete pavement joints. Stop any transverse pavement joints that do not conform to the minimum spacing requirements at the edge of the boxout.

1. Center bars vertically within slab.

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**Figure 6010.514**

*Standard Road Plan*

**SUDAS DIRECTOR**

**DESIGN METHODS ENGINEER**

**SHEET 3 of 3**

**REVISIONS:**
- Updated line work and Iowa DOT and SUDAS symbols.
- Added dimension to back of grate.